SAMSUNG

DUAL BAND GSM TELEPHONE SGH-T100

OWNER'S MANUAL

SAMSUNG ELECTRONICS

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GSM
GLOBAL SYSTEMS FOR MOBILE COMMUNICATIONS

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The information in this manual is believed to be correct at the time of printing; Samsung reserves the right, however, to change or modify any of the specifications without notice. Some of the contents in this manual may differ from your phone, depending on the software installed, your SIM card or your service provider.

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Safety Precautions

Read these simple guidelines. Failure to comply with them may be dangerous or illegal. For more detailed safety information, see “Safety Information” on page 129.

Road safety comes first

Do not use a hand-held phone while driving; park the vehicle first. Remember that in some countries, it is illegal to use a hand-held phone while driving.

Switch off when refuelling

Do not use the phone at a refuelling point (service station) or near fuels or chemicals.

Switch off in aircraft

Wireless phones can cause interference. Using them on aircraft is both illegal and dangerous.

Switch off in hospital

Follow any regulations or rules. Switch phone off near medical equipment.

Respect special regulations

Follow any special regulations in force in any area and always switch off your phone whenever it is forbidden to use it, or when it may cause interference or danger (in a hospital for example).

Interference

All wireless phones may be subject to radio interference, which may affect their performance.

Use qualified servicing
Only qualified service personnel must repair equipment.

Use sensibly
Do not touch the antenna unnecessarily when the phone is switched on.

Emergency calls
Ensure the phone is switched on and in service. Enter the emergency number (112 or another official emergency number) and press . Give your location. Do not end the call until told to do so.

Non-Ionising Radiation
No part of the human body should come into contact with the antenna during normal operation.

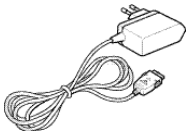
IMPORTANT! Only SAMSUNG-approved accessories and batteries should be used with this product. The use of any other power accessory will invalidate any approval or warranty applying to the phone, and may be dangerous.

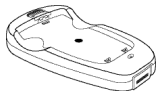
CAUTION
Replace only with the same or equivalent type recommended by the manufacturer. Dispose of used batteries according to the manufacturer's instructions.

Unpacking

Your package contains the following items.

Phone


Travel Adapter

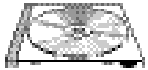

Battery Charger

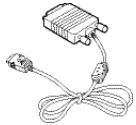
Batteries

Wearable EarMIcrophone

Hand String

Owner's Manual


PC Link for GSM Ver1.0


Downloading Cable
(Only for Download Image&Ringtone)

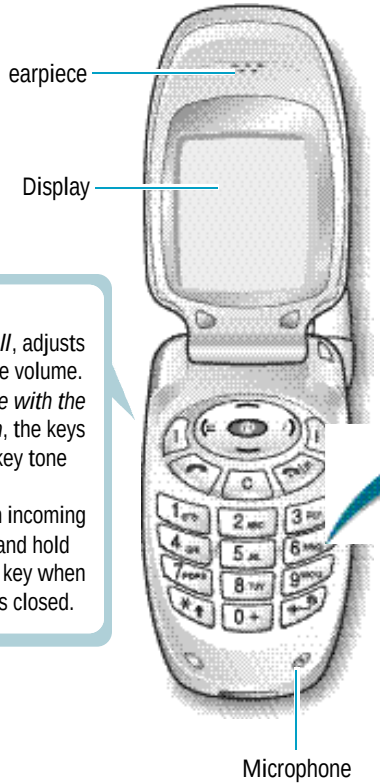
In addition, you can obtain the following accessories for your phone from your local SAMSUNG dealer:

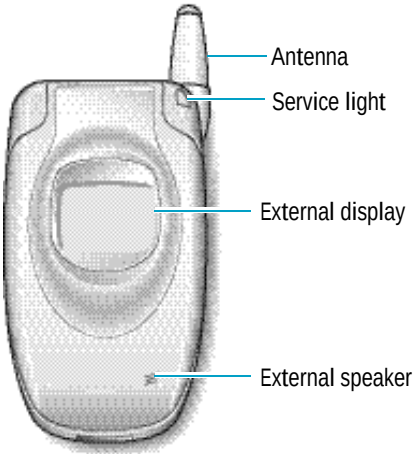
- Cigarette lighter adapter
- Hands-free car kit
- Standard and Extended batteries
- Data kit

Your Phone

Phone Layout

The following illustrations show the main elements of your phone.





Volume

During a call, adjusts the earpiece volume.
In idle mode with the phone open, the keys adjust the key tone volume.
To reject an incoming call, press and hold the volume key when the phone is closed.

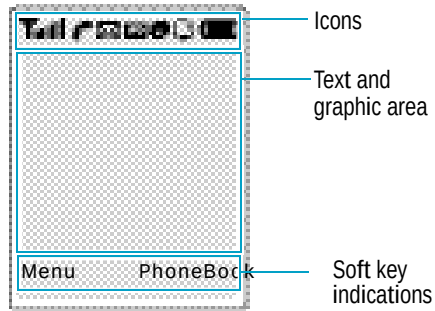
Key	Functions
	Soft keys perform the functions indicated by the text above them (in the bottom line of the display).
	In the menu facility, scroll through the menu options and phonebook memory. *In idle mode*, performs as a hot key to the several menus respectively.

Key	Functions (continued...)
C	Deletes characters from the display.
	In idle mode, allows you quick access to WWW services.
	Makes or answers a call. *In idle mode*, recalls the last number dialled. *In the menu facility*, selects a menu function or stores information that you have entered (such as a name) in the phone or SIM memory.
	Ends a call. Also switches the phone on and off when pressed and held. *In the menu facility*, returns to the idle mode and cancels your input.
0+ 2 9wxyz	Enters numbers, letters and some special characters.
* #	Used for various purposes in different functions. When pressed and held down in idle mode, the # key toggles the alert type from the current alert type to vibraton.

Display

Display Layout

The display comprises of three areas.



Area	Description
First line	Displays various icons (see below).
Middle lines	Display messages, instructions and any information that you enter (number to be dialled, for example).
Last line	Shows the functions currently assigned to the two soft keys and the divert icon.

Icons

Signal strength : Shows the received signal strength. The greater the number of bars, the better the signal strength.

Service: Appears when a call is in progress.

New Message: Appears when a new text message has been received.

New Voice Mail: Appears when a new voice mail message has been received.

Vibrator on: Appears when the vibrate mode is on. An incoming call will vibrate the phone rather than ring it.

Alarm on: Appears when you set an alarm.

Battery strength: Shows the level of your battery. The more bars you see, the more power you have left.

Backlight

The display and keypad are illuminated by a backlight. When you press any key, the backlight illuminates. It turns off if no key is pressed within a given period of time, depending on the **Backlight** option set in the **Phone Settings** menu. The backlight remains on at all times when the phone is connected to a car kit (optional).

To specify the length of time for which the backlight is active, set the **Backlight** menu option (**5-1-5**); see page 80 for further details.

External Display

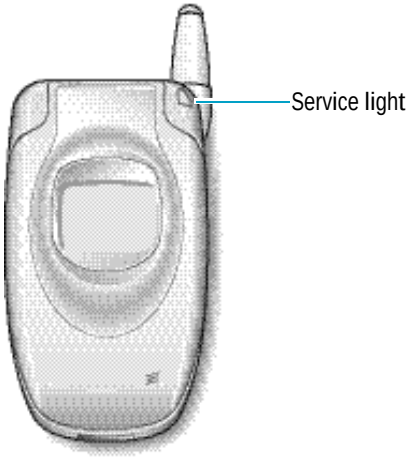
Your phone has an external display on the cover. It also shows Signal strength, Vibrator, and Battery Strength icon. It indicates that you have an incoming call or message, missed calls and alerts you at the specified time if set an alarm.

When you press and hold the volume key with the phone closed, the backlight of the external display illuminates.

Service Light

The service light is on the top right-hand corner of the phone. It flashes when services are available on the phone.

To activate or deactivate use of the service light, set the **Service Light** menu option (**5-1-6**); see page 81 for further details.

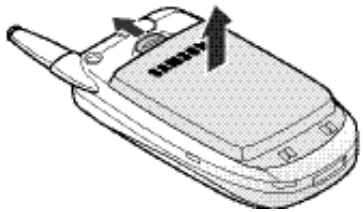


Installing the SIM Card and the Battery

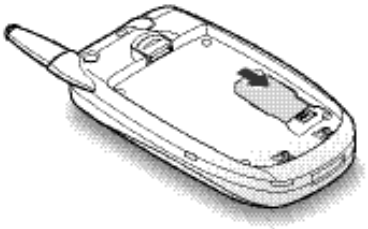
- Keep all miniature SIM cards out of the reach of small children.
- The SIM card and its contacts can easily be damaged by scratches or bending, so be careful when handling, inserting or removing the card.
- Before installing the SIM card, always make sure that the phone is switched off and then remove the battery.

1. If necessary, switch off the phone by holding down until the closing animation is displayed.

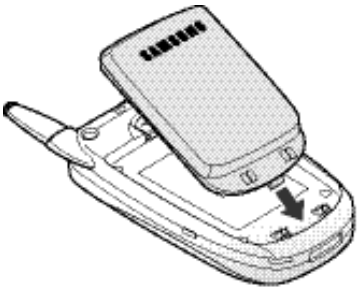
2. Pull/push and hold the catch above the battery on the back of the phone. Lift the battery away.



3. Insert and slide the SIM card under the two tabs, ensuring that the cut corner is top left and the gold contacts of the card face into the phone.



4. Place the battery back on the phone. First insert the teeth on the bottom of the battery into the corresponding slots, then push the battery against the back of the phone until it clicks into place. Make sure the battery is properly installed before switching on the power.



Charging a Battery

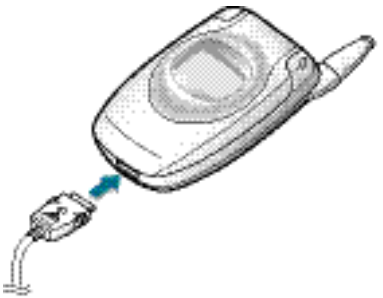
Your phone is powered by a rechargeable Li-ion battery. Use only approved batteries and chargers. Ask your local SAMSUNG dealer for further details.

Note: You must fully charge the battery before using your phone for the first time. A discharged battery is fully recharged in approximately 120 minutes for a Standard battery, 150 minutes for a Extended battery.

Using a Travel Adapter

The phone can be used while the battery is charging.

1. Connect the lead from the travel adapter to the bottom of the phone. Check that the arrow on the lead connector is facing towards the front of the phone.



2. Connect the adapter to a standard AC wall outlet.

   When the battery is charging, the battery icon in the top right-hand corner of the display fills repeatedly.

3. When finished charging, disconnect the adapter from the power outlet.

   Disconnect the adapter from the phone by pressing the grey tabs on either side of the connector and pulling the connector out.

Low Battery Indicator

When the battery is weak and only a few minutes of talk time remain, the battery sensor will let you know by blinking an empty battery icon( ), you will hear a warning tone and a message will be repeated at regular intervals on the display. When the battery becomes too weak for the phone to operate, it switches off automatically.

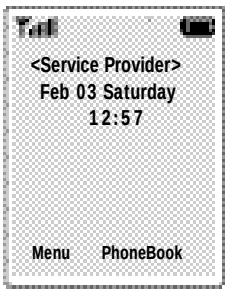
Switching the Phone On / Off

1. Open the phone.

2. Hold down for more than one second to switch the phone on.

3. If the phone asks for a password, key in the password and press the **OK** soft key. The password is factory set to 0000. For further details, see page 124.

4. If the phone asks for a PIN, key in the PIN and press the **OK** soft key. For further details, see page 125.
   When the phone has registered with an approved network provider, the idle screen, illustrated below, is displayed on the main display and the external display respectively.



<Main display>

<External display>

Note: The display language is determined by the SIM card inserted. To change the language, use the **Language** menu option (**5-1-3**); for further details, refer to page 79.

5. When you wish to switch the phone off, hold down for more than two seconds.

Using the Earmicrophone

When you connect the earmicrophone to the jack on the top of the phone, the button on the earmicrophone will operate as below without opening the phone or pressing a key on the phone.

Redialling a last call: Press the button twice in idle mode.
Answering a call: press the button when a call comes in.
Ending a call: press the button during a call.

Note: You can use the voice dialling or voice command by pressing the button, when the **Active Folder** menu option (**5-1-10**) is set Voice Dial or Voice Command. For further details, refer to page 82.

Call Functions

Making a Call

When the idle screen is displayed, key in the area code and phone number and press .

Note: If you have set the **Auto Redial** option (**5-1-7**) to **ON** (see page 81) and the person called does not answer or the line is busy, the number is redialled automatically up to ten times.

International Calls

1. Press and hold down for the international prefix. The + character appears.
2. Key in the country code, area code and phone number and press .

Correcting the Number

To clear...	Then...
The last digit displayed	Press the ← soft key.
Any other digit in the number	Press or key until the cursor (x) is immediately to the right of the digit to be cleared. Press the ← soft key.
The whole display	Hold down the ← soft key for more than one second.

Ending a Call

When you have finished your call, briefly press .

Making a Call using the Phonebook

You can store the names and phone numbers called regularly in the SIM card and phone memory, called the phonebook. You then simply select the required name to recall the associated number. For further details on the Phonebook feature, refer to page 35.

Voice Dialling

If you have set the **Active Folder** option (**5-1-10**) to **Voice Dial** (see page 82), your phone also allows you to say a name when you open the phone. It then automatically dials the number stored with that name. For further details on the Voice Dialling feature, refer to page 67.

Last Number Redial

The phone stores the last 10 numbers dialled. To recall any of these numbers, proceed as follows.

1. If there are any characters on the display, press to return to idle mode.

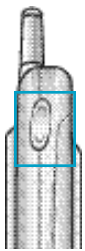
2. Press to access the list of last-dialled numbers.

3. Use or to scroll through the Redial list until the required number is displayed.

4. Press to dial the number displayed.

Adjusting the Volume

During a call, if you want to adjust the earpiece volume, use the volume keys on the left side of the phone.



In idle mode with the phone open, you can adjust the key tone volume using the same keys.

Answering a Call

When somebody calls you, the phone rings and the phone icon in the middle of the screen flashes. If the caller can be identified, the caller's phone number (or name if stored in your phonebook) is displayed.

1. To answer a call, open the phone. If the phone is already open, press or the **Accept** soft key.

   If the **Any-key Answer** menu option (**5-1-4**) is set to **ON**, you can press any key to answer a call except for and the **Reject** soft key (see page 80).

   Note: To reject an incoming call, press the Reject soft key or . When the phone is closed, press and hold the volume key on the left side of the phone .

2. End the call by closing the phone or pressing

   Note: You can answer a call while using the phonebook or menu features.

Viewing Missed Calls

If you are unable to answer a call for any reason, you can find out who was calling you, if this service is available. In this way, you can call the person back, if necessary.

The number of missed calls is displayed on the idle screen immediately after a call was missed.

To view the missed call immediately, proceed as follows.

1. If the phone is closed, open the phone.

2. Press the **View** soft key.

   The number corresponding to the most recent missed call is displayed, if available.

3.

To...	**Then press the...**
Scroll through the missed calls	or key.
Call the number displayed	key.
Edit or delete a missed call number	**Options** soft key (see the following paragraphs).

Editing a Missed Call Number

1. Press the **Options** soft key.
2. Press the **Select** soft key.
3. Change the number as required. Press or to move back through the number.
4.

To...	**Then press the...**
Call the number	key.
Store the number	**Save** soft key and enter the name and location required (for further details, refer to page 35).

Deleting a Missed Call

1. Press the **Options** soft key.
2. Press or to highlight the **Delete** option.
3. Press the **Select** soft key.

You can press at any time to exit the Missed Call feature.

Note: You can access the Missed Call feature at any time by selecting the **Missed Calls** menu option (**1-1**); for further details, see page 55.

In-Call Options

Your phone provides a number of control functions that you can use during a call. To access these functions during a call, press the **Options** soft key.

Switching the Microphone Off (Mute)

You can temporarily switch your phone's microphone off, so that the other party cannot hear you.

Example: You wish to say something to another person in the room but do not want the other party to hear you.

To switch the microphone off temporarily, proceed as follows.

1. Press the **Options** soft key.
2. Press or to highlight the **Mute** option.
3. Press the **OK** soft key.

Your correspondent can no longer hear you.

To switch the microphone back on, proceed as follows.

1. Press the **Options** soft key.
2. Press or to highlight the **Unmute** option.
3. Press the **OK** soft key.

Your correspondent can hear you again.

Searching for a Number in the Phonebook

You can search for a number in the phonebook during a call.

1. Press the **Options** soft key.
2. Press or to highlight the **Phonebook** option.
3. Press the **OK** soft key.
4. Enter the start of the name that you want to find and press the **Find** soft key.

   Note: You can also scroll through the phonebook from the beginning, by pressing the **Find** soft key directly.

   The phonebook entries are listed, starting with the first entry matching your input. This entry is also highlighted.

5. To review the highlighted entry, press the **View** soft key.

For a more detailed description of the Phonebook feature, refer to page 35.

Putting a Call on Hold

You can place the current call on hold whenever you want. You can make another call while you have a call in progress if this service is supported by the network. Of these two calls, one is active and the other is on hold and you can swap between the calls.

To place a call on hold, press the **Options** soft key, and select the **Hold** option. You can reactivate the call whenever you want, by pressing the **Retrieve** soft key.

To make a call while you have a call in progress, proceed as follows.

1. Key in the phone number that you wish to dial or look it up in the phonebook.
2. Press to dial the second call.
   The first call is automatically put on hold.

Or alternatively, proceed as follows.

1. Put the current call on hold by pressing the **Options** soft key, followed by the **Hold** option.
2. Make the second call in the normal way.

To swap between the two calls, simply press the **Swap** soft key.

The current call is placed on hold and the call on hold is reactivated so that you can continue conversing with the other party.

When you have finished, end each call normally by pressing .

Answering a Second Call

You can answer an incoming call while you have a call in progress, if this service is supported by the network and if you have set the **Call Waiting** menu option (**5-2-3**) to **Active** (see page 89). You will be notified of an incoming call by a call waiting tone.

To answer a call while you have a call in progress, proceed as follows.

1. Press to answer the incoming call.
   The first call is automatically put on hold.
2. If you want to switch between the two calls, press the **Swap** soft key.

   If you want to end a held call, press the **Options** soft key and select the **End held** option.
3. To end the current call, press .
   Any held calls will automatically be reconnected to you.

Making a Multiparty Call

A multiparty call is a network service that allows up to six people to take part simultaneously in a multiparty or conference call. For more information, contact your service provider.

Setting up the Multiparty Call

1. Call the first participant in the normal way.

2. Call the second participant in the normal way. The first call is automatically put on hold.

3. To join the first participant to the multiparty call, press the **Options** soft key and select the **Join** option.

4. To add a new person to the multiparty call, call the person in the normal way, then press the **Options** soft key and select the **Join** option.

You can add incoming callers by answering the call and pressing **Options**, followed by **Join**. Repeat as required.

Having a Private Conversation With One Participant

1. Press the **Options** soft key and choose the **Select one** option. The list of call participants appears.

2. Highlight the required person, by pressing or , followed by .

3. Select **Private**.

   Now you can talk privately with that person. The other participants can continue to converse with each other.

4. To return to the multiparty call, press the **Options** soft key and select **Join**.

   All the multiparty call participants can now hear each other.

Dropping One Participant

1. Press the **Options** soft key and choose the **Select one** option. The list of call participants appears.

2. Highlight the required person, by pressing or , followed by .

3. Select **Remove**.

   The call is ended with that participant, but you can continue to talk with the other participants.

4. End the multiparty call by closing the phone or pressing .

Muting / Sending Key Tones

These options allow you to turn the key tones off or on. If the **Mute keys** option is selected, your phone does not transmit the key tones.

Note: To communicate with answering machines or computerised telephony systems, the **Send keys** option must be selected.

Using the SMS Service

If you receive an SMS (Short Message Service) message during a call, the message icon (✉) flashes in the display.

After you have finished your call, you can read the message; refer to page 59 for further details.

Phonebook

You can store phone numbers and their associated names in the memory of your SIM card. In addition, you can store up to 500 numbers and names in the phone memory. The SIM card and phone memories, although physically separate, are used as if they were a single entity, called the Phonebook.

Storing a Phone Number with a Name

As soon as you start to enter a number, **Save** appears above the left soft key to allow you to store the number in the phonebook.

1. Key in the number to be stored.
2. When you are sure that it is correct, press the **Save** soft key.

   Notes:
   - If you make a mistake while entering a number, correct it using the ← soft key. For further details, refer to page 22.
   - To insert a dialling pause for special phone services, such as banking by phone, hold down . 'P' is displayed to indicate the pause.
3. Enter the associated name (the maximum length depends on your SIM card). For information on how to enter a name, see page 42.
4. When you are satisfied, press the **Save** soft key. The phone now displays the first free location in the SIM card for you to save the number and name. If the card memory is full, the first free location in the phone memory is displayed.

5. Press the right soft key to toggle between the phone (**To Phone**) and card (**To Card**) memories.

6. If you do not want to save the number and name in the suggested location, press to clear the location number and enter your preferred location by pressing the number keys.

7. Press **OK** to store the name and number.

8. You can access the phonebook options by pressing the **Options** soft key, or scroll through the memory with or .

   To exit, press .

Phonebook Options

When storing or viewing a number in the phonebook, **Options** appears above the left soft key to allow you to access the phonebook options, described in the following paragraphs.

Accessing the Options

To access the various phonebook options, proceed as follows.

1. Press the **Options** soft key.

   The first available option is highlighted.

2. Press the **Select** soft key to select the highlighted option. Or, press or key one or more times until the required option is highlighted to highlight a differnt option.

Voice Record

Note: This option appears only when no name has been recorded.

Allows you to add a voice tag to the number.

Follow the instructions given by your phone to record the required name.

Play Voice

Note: This option appears only when you have already recorded some names.

Plays back the names that you have recorded.

Voice Delete

Note: This option appears only when you have already recorded some names.

Allows you to delete a specific voice entry.

You are asked to confirm the deletion by pressing the **OK** soft key.

Paste

Allows you to paste the phonebook number into the normal dialling mode. Use this option to dial a number similar to one in the phonebook (a different extension in the same office for example).
Use the ← soft key to change the number as required (refer to page 22 for further details). When you are ready to dial, press .

Edit

Allows you to edit a number and name stored in the phonebook.

Erase

Allows you to erase a number and name stored in the phonebook. You are asked to confirm that you wish to erase the name and number from the phonebook by pressing the **Yes** soft key.

Copy

Allows you to copy a phonebook number to another location. Use this option to store a number similar to one already in memory; once copied, edit the number and store it into another location on the SIM card or in the phone memory.

Memory Status

You can check how many names and phone numbers are stored and how many locations are still free in the card memory and phone memory.

Alert

Allows you to set a ringing tone on a number stored by the phone. You can select the required ringing tone from several tones. When this number calls you, the phone rings with this ringing tone.

Speed-Dialling by SIM Memory Location

Once you have stored phone numbers in the SIM card, you can dial them easily whenever required.

To speed-dial a number, proceed as follows.

To speed-dial a number in locations...	**Then...**
2 to 9	Press and hold down the appropriate key.
10 and above	Press the appropriate keys, followed by the # key. When the display shows the name, phone number and location, press the **Dial** soft key.

Note: Memory location 1 is reserved for your Voice Mail server number.

Searching for and Dialling a Number in the Phonebook

1. When the idle screen is displayed, press the **PhoneBook** soft key.

2. If your SIM card provides with Service Dialling Number (SDN) and Information Numbers services, you should select the **Find** option.

3. Enter the start of the name that you want to find and press the **Find** soft key.

   Note: You can also scroll through the phonebook from the beginning, by pressing the **Find** soft key directly.

   The phonebook entries are listed, starting with the first entry matching your input. This entry is also highlighted.

4.

To...	**Then press the...**
View the highlighted entry	**View** soft key.
Select a different entry	or key one or more times until the required entry is highlighted.
Look for a name starting with a different letter	Key labelled with the required letter.

5. Once you have found the required entry, press to dial the number.

Dialling a Number using the Service Directory or Information Numbers

Note: The **Service Dir.** and **Information Numbers** options may not be available, depending on your SIM card.

When the idle screen is displayed, press the **PhoneBook** soft key, then you can select one of the services.

Service Dir.: enables you to view the Service Directory and make calls from it.

Information Numbers: enables you to see the Information Numbers in a tree structure and make a call.

Entering Text

When storing a name in the phonebook, creating your personal greeting or scheduling events in your calendar, you will need to enter text.

You are provided with the following text input modes.

English mode (T9)
This mode allows you to enter words with only one keystroke per letter. Each key on the keypad has more than one letter – when you press the 5 key once, J, K or L may be displayed. The **English** mode automatically compares your keystrokes with an internal linguistic dictionary to determine the correct word, thus requiring far fewer keystrokes than the traditional **ABC** mode.

ABC mode
This mode allows you to enter letters by pressing the key labelled with the required letter once, twice, three or four times until the letter is displayed.

Number mode
This mode allows you to enter numbers.

Symbolic mode
This mode allows you to enter special characters.

T9 is a registered Trademark of Tegic Communications, Inc. and is licensed under U.S. Patent 5,818,437/ 5,953,541/ 6,011,554.

Changing Text Input Mode

When you are in a field that allows character entry, you should notice the text input mode indicator in the bottom of the display.

To change to another text input mode:

1. Press the right soft key, indicating the text input mode.

2. Scroll to the desired mode with or .

Note: If you want to exit the menu without changing to a new mode, press the right soft key.

3. Press the **Select** soft key to select the displayed mode.

4. You will find the selected text input mode indicated in the bottom of the display.

English Mode (T9)

To type a word, press keys corresponding to the letters you need. Remember the following as you are typing:

1. Press keys on the phone just once per desired letter. For example, to enter 'hello', press 4 GHI, 3 DEF, 5 JKL, 5 JKL, 6 MNO.

2. The word you are typing appears in the display. It may change with each key press.

3. Type to the end of the word before editing or deleting any keystrokes.

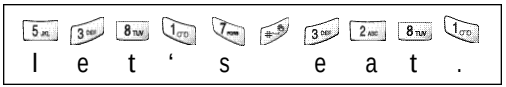
4. Complete each word with a space by pressing #.

If the word that appears in the display is not the word that you desire, press 0+ one or more times to display alternate word choices for the keys you have typed. (For example, 'of' and 'me' both shares the sequence 6 MNO, 3 DEF. The phone displays the most commonly used choice first.)

To type words not found in the English mode, change the text input mode to ABC mode.

Smart Punctuations

Period, hyphen, and apostrophe are available on 1. English mode applies rules of grammar to insert the correct punctuation. Notice that 1 is used twice in this example to display two punctuation marks:



Changing Case

To shift the case of the next letter(s) that you type, press *. There are three shift states: Lower Case, Initial Capital and Capitals Lock.

Scrolling

- To move the cursor left or right through your text message, press ← or →.
- To scroll through alternate word choices for the keys you have entered, press 0+.

Clearing Letters and Words

Press C one or more times to clear letters to the left. Press and hold down the key to erase a word.

ABC Mode

When typing in **ABC** mode, you should press the key labelled with the required letter:
-Once for the first letter
-Twice for the second letter
-And so on.

For example, you press 2 three times quickly to display the letter “C” , 5 two times quickly to display the letter “K”. So, this method is called Multi-tap typing.

Refer to the table below for the list of characters assigned on each key.

Key	Characters in the Order Displayed	
	Upper Case	Lower Case
1	: ; ¿ ¡ 1 = “ /	. , ? ! 1 - ‘ @ :
2	A B C 2 Ä Æ Å Γ	a b c 2 à ä æ å Ç
3	D E F 3 É Δ	d e f 3 é è
4	G H I 4 Θ	g h i 4 ì
5	J K L 5 Λ	j k l 5
6	M N O 6 Ñ Ö Ø Ξ	m n o 6 ñ ò ö ø
7	P Q R S 7 Π Σ	p q r s 7 ß
8	T U V 8 Ü Φ	t u v 8 ù ü
9	W X Y Z 9 Ψ Ω	w x y z 9
0	0 ✕ < > % # £	0 + ( ) & _ $

The cursor moves to the right when you press a different key. When entering the same letter twice (or a different letter on the same key), just wait for a few seconds for the cursor to move right automatically, and enter the next letter.

Changing Case

To shift the case of the next letter(s) that you type, press * . There are three shift states: Lower Case, Initial Capital and Capitals Lock.

Inserting a Space

Press # to insert a space between the words.

Scrolling

To move the cursor left or right through your text message, press ◄ or ► .

Clearing Letters and Words

Press C one or more times to clear letters to the left. Press and hold down the key to erase a words.

Number Mode

Number mode enables you to enter numbers into a text message. Press keys corresponding to the desired digits, and manually switch back to the text entry mode of choice.

Symbolic Mode

Symbolic mode enables you enter symbols into a text message.
Press (*) or (#) to display more symbol sets.

Press keys corresponding to the desired mark, then the phone automatically switches back to the text entry mode used just prior to selecting Symbol mode.

Selecting Functions and Options

Your phone offers a set of functions that allow you to customise your phone. These functions are arranged in menus and sub-menus, accessed via the two soft keys (and). Each menu and sub-menu allows you to view and alter the settings of a particular function.

The roles of the soft keys vary according to the current context; the label on the bottom line of the display just above each key indicates its current role.

Example:

Press the left soft key to access the Menu functions.

Press the right soft key to access the Phonebook feature.

To view the various functions/options available and select the one required, proceed as follows.

1. Press the appropriate soft key.

2.

To...	**Then press the...**
Select the: • Function displayed or • Option highlighted	Left soft key.
View the next function or highlight the next option in a list	key.
Move back to the previous function or option in a list	key.
Move back up one level in the structure	Right soft key.
Exit the structure without changing the settings	key.

In some functions, you may be asked for a password or PIN. Enter the required code and press

Using the Menu

The phone offers a range of functions that allows you to tailor the phone to your needs. These functions are arranged in menus and submenus.

The menus and submenus can be accessed by scrolling.

1. In idle mode, press the **Menu** soft key to access the menu facility. Scroll with or .

2. If the menu contains any submenus: for example, **Ring Tone**, find the one you want by scrolling with or . Press the **Select** soft key to enter the submenu.

   If the menu you have selected contains submenus, repeat this step.

3. Scroll with or to find the setting of your choice. Press the **Select** soft key to confirm the chosen setting.

Notes:
- You can return to the previous menu level by pressing the soft key.
- You can exit the menu without changing the menu settings by pressing .

Menu Structure

Menus let you check or change your phone settings. The following shows the menu structure.

Note: You can only see menu 0, if your SIM card supports the **SIM Application Toolkit**. This is a network feature. Please contact your service provider for more information.

The numbers assigned to each menu function may not match the menu number on the phone. It depends on the services supported by the SIM.

Main menu	level 1	level 2
1. Call Records	1. Missed Calls	
	2. Received Calls	
	3. Dialled Calls	
	4. Call Time	1. Last Call Time
		2. Total Sent
		3. Total Received
		4. Reset Timers
	5. Call Cost [1]	1. Last Call Cost
		2. Total Cost
		3. Max Cost
		4. Reset Counters
		5. Set Max Cost
		6. Price/Unit
2. Messages	1. Voice Mail	1. Connect to Voice Mail
		2. Voice Server Number
	2. Read Messages	
	3. Write Messages	
	4. Preset Message List	
	5. Setup	1. Service Centre
		2. Default Type
		3. Default Validity
		4. Reply Path
		5. Delivery Report
	6. Broadcast	1. Read
		2. Receive
		3. Channel List
		4. Language
	7. Picture Messages	

Main menu	level 1	level 2
3. Voice Functions	1. Voice Dial	1. Record
		2. Act
		3. Delete One
		4. Play All
		5. Delete All
	2. Voice Command	1. Record
		2. Act
		3. Play All
		4. Delete All
	3. Voice Memo	1. Record
		2. Replay
		3. Delete One
		4. Delete All
4. Tones	1. Ring Tone	
	2. Melody Composer	
	3. Ring Volume	
	4. Alert Type	
	5. Keypad Tone	
	6. Message Tone	
	7. Error Tone	
	8. Minute Minder	
	9. Connect Tone	
5. Settings	1. Phone Settings	1. Greeting Message
		2. Own Number [1]
		3. Language
		4. Any-key Answer
		5. Backlight
		6. Service Light
		7. Auto Redial
		8. Auto Answer
		9. Caller ID
		10. Active Folder
		11. Reset Settings
		12. Active Line [1]

Main menu	level 1	level 2
5. Settings	2. Network Services	1. Call Diverting [2]
		2. Call Barring [2]
		3. Call Waiting [2]
		4. Network Selection
		5. Line Identification [2]
		6. Closed User Group
	3. Security Settings	1. PIN Check
		2. Change PIN
		3. Phone Lock
		4. Change Password
		5. SIM Lock
		6. FDN Mode [1]
		7. Change PIN2 [1]
	4. LCD/LED Settings	1. Select Image
		2. LCD Contrast
		3. Menu Colour
		4. Service Colour
	5. Browser Settings [2]	1. Proxy Settings
		2. Current Proxy
6. Organizer	1. Scheduler	
	2. Alarm	1. Daily Alarm
		2. Once Alarm
		3. Weekly Alarm
		4. Alarm Tone
	3. Calculator	
	4. To Do List	
	5.Calendar	
	6. World Time	
	7. Clock	1. Set Time
		2. Set Date
		3. Format
7. Games	1. AirShooting	
	2. SpaceWar	
	3. MyPet	
8. WWW Services [2]	1. Home	
	2. Bookmark	
	3. Goto	

[1] Shown only if supported by your SIM card.

[2] May not be shown or supported by your network service provider.

Call Records

Via this menu, you can view the phone calls:

- Missed
- Received
- Dialled

The number and name (if available) are displayed together with the date and time at which the call was made. You can also view call times and costs.

Missed Calls

Menu 1-1

Lets you view the last 10 unanswered calls. You can also:

- Edit the number if available and dial it or save it in the phonebook
- Delete the number from the list

Received Calls

Menu 1-2

Lets you view the last 10 phone calls received. You can also:

- Edit the number if available and dial it or save it in the phonebook
- Delete the number from the list

Dialled Calls

Menu 1-3

Lets you view the last 10 numbers dialled.
You can also:

- Edit the number and save it in the phonebook
- Redial the number
- Delete the number from the list

Call Time

Menu 1-4

Lets you view the timers for calls made and received. The following timers are available.

Last Call Time: length of the last call.

Total Sent: total length of all calls made since the timer was last reset.

Total Received: total length of all calls received since the timer was last reset.

You can use the **Reset Timers** option to reset the call timers; you must first enter the phone password (see page 124) and then press the **OK** soft key.

Note: The actual time invoiced for calls by your service provider may vary, depending on network features, rounding-off for billing purposes, and so forth.

Call Cost

Menu 1-5

This network feature lets you view the cost of calls. The following options are available.

Last Call Cost: cost of the last call made.

Total Cost: total cost of all calls made since the cost counter was last reset. If the total cost exceeds the maximum cost set via the **Set Max Cost** option, you will no longer be able to make any calls until you reset the counter(does not affect calls to the emergency services).

Max Cost: maximum cost set via the **Set Max Cost** option (see below).

Reset Counters: option used to reset the cost counter; you must first enter your PIN2 (see page 125) and then press the **OK** soft key.

Set Max Cost: option used to enter the maximum cost that you authorise for your calls.

Price/Unit: option used to set the cost of one unit; this price per unit is applied when calculating the cost of your calls.

Messages

Your phone receives voice mail notification messages, and text messages. Voice mail and short message service (SMS) are network service. Please contact your service provider for more information.

When the icon appears, you have received voice mail.When the icon appears, you have received new messages. If the message memory is full, an error message is displayed and you cannot receive any new messages. Use the **Delete** option in the **Read Messages** menu (**2-2**) to delete obsolete messages. Once there is space in the memory any undelivered SMS messages will be received (provided sufficient space is available).

Picture and ringing tone messages can also be received.

To...	Then use the...
Send or receive picture messages	**Picture Messages** menu option (**2-7**); see page 65.
Load ringing tone messages	**Ring Tone** menu option (**4-1**); see page 72.

Voice Mail *Menu 2-1*

This menu provides you with a quick way of accessing your voice mailbox (if provided by your network).

Connect to Voice Mail

Before using this feature, you must enter the voice server number obtained from your service provider (see the following page). You can then select this option and simply press the **OK** soft key to listen to your messages.

Note: If you press and hold when the phone is in idle mode, you can access your voice mail server directly (Provided you have already programmed it into the voice mail menu location.)

Voice Server Number

You can change the voice mail server number.

To...	Then press the...
Enter the server number	Corresponding number keys.
Recall a number in the phonebook	**PhoneBook** soft key.
Correct a digit	soft key.
Move the cursor without clearing the digit	or key.

Note: See page 35 for instructions on how to use the phonebook.

Read Messages *Menu 2-2*

When the **Read Messages** menu is selected, the header of the first message is displayed. This contains:

- Message number
- Message status (New, Old, Not sent, Sent)

To view this message, press the **View** soft key. The screen shows the:

- Sender's phone number (if sent with the message)
- Date and time at which the message was received
- Message text

To scroll through the messages, press or . You can choose the following options, by pressing the **Options** soft key.

Text Reply: allows you to reply by sending a text message. You can also:

- Change the SMS centre number (if required)
- Send the message
- Save and send the message
- Save but not send the message

Call back: allows you to call the sender back.

Delete: allows you to delete obsolete messages.

Cut Number: allows you to extract a number from the message text, so that you can call the number or save it in the phonebook.

Send: allows you to send a message that you have not already sent.

Send again: allows you to resend a message that you have already sent.

Note: The options available vary, depending on the message status (New/Old, Not sent, Sent).

Write Messages *Menu 2-3*

Via this menu, you can write and edit text messages of up to 160 characters.

1. Key in a message. For details on how to enter text, refer to page 42.

2. After you complete the message, you can select the following options.

   Send Only: allows you to send the message immediately. You can enter the required destination.

   Save and Send: allows you to save a copy of the message and then send the message to the required destination. You can read the message using the **Read Messages** option. When you read the message, 'Sent' is displayed to indicate the message state.

   Save Only: allows you to save the message so that it can be sent later. When you read the message, 'Not sent' is displayed.

3. After selecting the required option, press the **Select** soft key.
   The display prompts you to enter the destination number.

4. Enter the phone number and press the **OK** soft key. Or,
   Press the **PhoneBook** soft key to select the number from the phone book.

Preset Message List

Menu 2-4

Using this menu, you can preset up to five messages that you use most frequently. This menu shows the preset message list. Scroll through the list using or . When the required message number appears, press the **Options** soft key.

The following options are available.

Edit: allows you to write a new message or edit the selected preset message.

Note: For further information on how to enter text in your message, refer to page 42.

Send Message: allows you to recall the selected preset message. Once you have completed the message, you can send, save and send, or simply save it.

Delete: allows you to delete the selected preset message.

Setup

Menu 2-5

Via this menu, you can set up default information on the SMS feature.

Service Centre: allows you to store or change the number of your SMS centre required when sending text messages. You must obtain this number from your service provider.

Default Type: allows you to set the default message type (Text, Voice, Fax, X.400, Email, and ERMES). The network can convert the message into the selected format.

Default Validity: allows you to set the length of time for which your text messages will be stored at the SMS centre while attempts are made to deliver them to the recipient.
Possible values are one hour, 6 hours, 24 hours, one week and the maximum authorised by your service provider.

Reply Path: allows the recipient of your SMS message to send you a reply via your message centre, if the service is provided by the network.

Delivery Report: allows you to activate or deactivate the report function. When this function is activated, the network informs you whether or not your message has been delivered.

Broadcast

Menu 2-6

This network service allows you to receive text messages on various topics, such as the weather or traffic. Messages are displayed immediately they are received, provided that:

- The phone is in the idle mode
- The **Receive** option is set to **Enable**
- The message channel is currently active in the channel list

If the message is long, press the down volume key on the left side of the phone one or more times.

The last five messages are also stored for later retrieval. Please contact your service provider for more information.

The following options are available.

Read: lets you view the first message. Scroll through the message using or . At the end of the message, press the **Next** soft key to move to the next message.

Receive: allows you to **Enable** or **Disable** the reception of broadcast messages.

Channel List: lists all available channels. The channels currently selected are indicated by an asterisk (*) beside the name. When you select one of them, you can edit, enable, disable or delete the channel.
The **Enter Channel** option allows you to add a new channel to the channel list. Enter the appropriate channel ID obtained from your service provider, and a title for the channel.

Language: allows you to select your preferred language for the cell broadcast message display.

Picture Messages *Menu 2-7*

The phone allows you to send and receive text messages that contain pictures. These messages are called 'Picture Messages', several of which are preset in the phone and can be replaced with new ones received from other sources.

The following options are available.

Write Message: allows you to write text to send with the picture message.

Delete: deletes the picture message; **Empty** is displayed instead of the title.

Send Message: allows you to enter the destination phone number; you must then press the **OK** soft key to send the picture message.

Cut Number: allows you to extract a number from the picture message, so that you can call the number or save it in the phonebook.

Receiving a Picture Message

To view a message immediately you receive it, press the **View** soft key. Press the right soft key to toggle between viewing the message and the image.

The following options are available.

Save: allows you to save the picture message to your picture message list.

Discard: allows you to discard the picture message without saving it.

Cut Number: allows you to extract a number from the picture message, so that you can call the number or save it in the phonebook.

Note: This function is available between phones supporting Nokia's* Smart Messaging services.

Each picture message is made up of several text messages;therefore, sending one picture message may cost more than one text message.

Picture messages are stored in the phone, you cannot view them if you use your SIM in another phone.

* Nokia is a registered trademark of Nokia Corporation.

Voice Functions

You can use the Voice feature to customize various settings, such as the:

- Voice Dial
- Voice Command
- Voice Memo

Voice Dial

Menu 3-1

The voice dialling feature allows you to make phone calls by saying a voice tag that has been added to a desired name and phone number. Any spoken word, for example a name, can be a voice tag.

Before using voice dialling, note that:

- Voice tags are not language dependent. They are dependent on the speaker's voice.
- The voice tags are sensitive to background noise. Where possible, record voice tags or make calls in a quiet environment.
- When recording a voice tag or making a call, hold the phone in the normal position close to your ear.
- The maximum length for a voice tag recording is about 1.5 seconds, but very short names are not recorded
- You can store up to twenty voice tags in the phone's memory.

Voice Dial Record

Allows you to record name tags and allocate them to numbers for voice dialling.

Say the name you want to use for voice dialling after you hear a voice prompt. For best results, use names with at least two syllables, or use both a first and last name. The phone stores the name as a “first” sample, and then prompts you to say the name again.

Respond to the prompt by repeating the name. The phone stores the name as a second sample and then requests the phone number.

To store the number, press the **OK** soft key. Follow the instructions described on page 35 to complete storing the number into your internal phonebook.

Voice Dial Act

This option activates voice dialling.

You hear a voice prompt and **Say Name** is displayed. Say the voice tag clearly. If no match for the voice tag is found or recognized, the phone may ask you to try again. The phone automatically dials the number of a recognized voice tag.

Note: This option is only available once you have recorded and stored voice tags.

Voice Dial Delete One

Allows you to delete an individual voice tag. The corresponding phone number remains in the phonebook but the voice tag is deleted.

If the name displayed is...	**Then press the...**
To be deleted	**OK** soft key.
Not to be deleted	or key. The next name is displayed.

To exit the **Voice Dial Delete One** option, press the ↩ soft key.

Voice Dial Play All

Allows you to play back all recorded voice tags.

Voice Dial Delete All

Allows you to delete all voice tags. The corresponding phone numbers remain in the phonebook but the voice tags are all deleted. Press the **OK** soft key when the message ‘Delete All confirm?’ is displayed.
Otherwise, press the **Cancel** soft key to exit the function without deleting the voice tags.

Voice Command *Menu 3-2*

This menu allows you quick access to menus you use frequently, using your own voice commands.

You can select the following functions:

Voice Command Record: The 20 most frequently used menu functions are programmable with your own voice commands. The menus are preset to **OFF** at the factory, indicating that they are not recorded. When voice commands are recorded successfully, the menus are changed to **ON** in the display.

Voice Command Act: Use this menu to access the menu of the recorded voice commands.

Voice Command Play All: Plays all voice commands you have recorded.

Voice Command Delete All : Deletes all commands you have recorded.

Voice Memo *Menu 3-3*

You can use the Voice Memo feature to :

- Record up to 3 voice memos
- Play the recorded voice memos
- Delete one or all voice memos

Voice Memo Record: Allows you to record a memo. The screen displays the:

- Memo location
- Date and time when the memo was recorded
- Recording time counter

The maximum recording time is about 35 seconds. If you want to record for longer, press the **Continue** soft key. **Split** appears instead of **Continue**. You can continue recording and the rest of the memo is stored in the next memo location.

To stop recording, press the **Stop** soft key.

Note: If all memo locations are full, you must delete an old memo before recording a new one.

Voice Memo Replay: Allows you to play back all memos recorded, starting with the most recent memo. The screen displays the:

- Memo location
- Date and time when the memo was recorded.

To skip to the next memo, press the **Skip** soft key, to stop the playback, press the **Stop** soft key.

Voice Memo Delete One: Allows you to delete a specific memo. All memos recorded are played back, starting with the most recent one.

Voice Memo Delete All: Allows you to delete all memos. Press the **OK** soft key to confirm.

Tones

You can use the Tones menu to customise various sound settings, such as the:

- Ringing tone, volume and type
- Composing your own melody
- Sounds made when you press a key, make an error or receive a message

Ring Tone *Menu 4-1*

This option allows you to select the phones ringing tone. You can choose between many different tones and each time you select a tone it is played for a few seconds. 3 download ring tones from ringing tone message, 2 user ring tones using the Melody Composer, and 12 changable ringtones downloading from the CD in this package are also available.

When you receive a ringing tone message, proceed as follows.

1. To listen to the tone, press the **Play** soft key.
2. To save the ring tone, press the **Save** soft key.
3. Select the ringing tone location you wish to save it and press the **OK** soft key.
4. To use this tone as the current ringing tone, press the **Yes** soft key. Otherwise press the **No** soft key.

If your SIM card supports ALS, this option also allows you to select a different ring tone for each line. If you set a different ring tone for each line, you can distinguish between incoming calls.

Note: While downloading, if the battery is detached from the phone, you can lose the downloaded ringtones.

Melody Composer *Menu 4-2*

This menu allows you to compose your own, customised ringing tone.

- Three octaves are available.
- A maximum of 100 notes can be entered.
- Adjustable length of note and note rest.

To Compose Melody

You can compose two melodies. When you access the menu, the melody name appears, if already created. Otherwise, **Empty** appears. Select **Empty** to create a new melody or select the melody's name that you want to edit.
Use the following keys to compose a melody:

: to enter C, the first note in the musical scale (doh).

: to enter D (re).

: to enter E (mi).

: to enter F (fa).

: to enter G (soh).

: to enter A (la).

: to enter B (ti).

: to raise an octave higher or drop an octave lower.

: Not available

: to enter a note rest. Press until you find the desired length of rest.

: to raise one semitone above the tone written. Example:If you want to enter a F sharp, press F (fa) then press .

: to delete notes.

: to move a note to the next semitone higher position or lower position in the musical scale. For example, the note A moves A#, B, C, C# in the scale each time you press .

: to adjust a length of a note. Enter a note, then press . Notice that the note length changes each time you press the key.

You can listen to your melody by pressing the **Listen** soft key. If you are satisfied, press the **Yes** soft key, and enter the melody name. For information on how to enter a name, refer to page 42.

Note: If you want to cancel your composing, press . The display goes back to the previous menu level, the screen displays **Empty**.

After you save the melody, the display asks you if you want to set the melody as the ring tone. If you select **Yes**, your phone plays the melody each time your phone rings. If you select **No**, the melody is just saved and the phone returns to the idle mode.

To Delete a Selected Melody

1. Select the melody you want to delete.
2. Press and hold for a few seconds. All notes will be erased.
3. Press the **Listen** soft key. The display asks you if you are sure you want to erase the melody. Select the **Yes** soft key.

Ring Volume *Menu 4-3*

Allows you to adjust the ringing volume to one of five levels. Use the volume keys on the left side of the phone or the or keys. The greater the number of bars, the greater the volume level.

Alert Type *Menu 4-4*

Allows you to indicate how you are to be informed of any incoming calls. The following options are available.

Light only: only the backlight is switched on; the phone neither rings nor vibrates.

Melody: the phone rings using the ringing tone selected via menu option **4-1**.

Vibration: the phone vibrates but does not ring.

Vibra+Melody: the phone both rings and vibrates.

Note: Pressing and holding down toggles between the current alert type and **Vibration**.

Keypad Tone

Menu 4-5

Allows you to select the tone that the keypad generates when you press a key. The following options are available.

OFF: the keys do not make any sound.

Tone: each key, when pressed, makes a different sound.

Beep: each key, when pressed, makes the same sound.

Message Tone

Menu 4-6

Allows you to select how the phone informs you that a new message has been received. The following options are available.

Single Beep: the phone beeps once.

SMS Tone 1 ~ SMS Tone 5: the phone sounds the selected SMS tone.

Light Only: the service light on the top of the phone flashes.

Vibration: the phone vibrates but does not ring.

Error Tone

Menu 4-7

Allows you to select how the phone informs you that you have made a mistake. The following options are available.

OFF: the phone does not beep.

ON: the phone beeps to indicate an invalid entry.

Minute Minder

Menu 4-8

Allows you to specify whether the phone must beep every minute during an outgoing call to keep you informed of the length of your call. The following options are available.

OFF: the phone does not beep.

ON: the phone beeps every minute.

Connect Tone

Menu 4-9

Allows you to specify whether the phone should beep when the phone connects to the network. The following options are available.

OFF: the phone does not beep.

ON: the phone beeps when your call is accepted.

Settings

Many different features of your phone can be customised to suit your preferences. All of these features are accessed via the **Settings** menu.

Phone Settings *Menu 5-1*

Greeting Message

Allows you to set a greeting message to be displayed briefly when the phone is switched on. The current message is displayed.

To...	Then press the...
Clear the existing message	C key and hold it down until the message is cleared.
Enter a new message	Appropriate alphanumeric keys.

For more information on entering characters, refer to page 42.

To go back to the previous menu level without saving your input, press

Own Number

Note: The contents of this menu may be different depending on the SIM card.

You can enter your own name and number using this menu. If you have subscribed to the Alternative Line Service, you can select a line with or .

The following options are available:

Add: allows you to add name and number.

Erase: allows you to erase name and number.

Edit: allows you to edit name and number. If your SIM card supports ALS only the **Edit** soft key displays. Press the **Edit** soft key and you can setup or edit your own name for the ALS line.

Language

You can set a different setting for the text language and voice language.

You can also set the default text input mode. For details on the text input mode, refer to page 42.

Any-key Answer

Depending on the setting of the **Any-key Answer** option, you can answer an incoming call by pressing any key except and the **Reject** soft key.
To reject the call, press or the **Reject** soft key.When the phone is closed, press the volume key on the left side of the phone to reject an incoming call. (If the **Any-key Answer** menu option (**5-1-4**) is set to **ON**, just press, if it's set to **OFF** press and hold down the button.)

ON: you can press any key except and **Reject**.

OFF: you can only press or **Accept** keys.

Backlight

You can select whether or not the phone uses the backlight. A marginal increase in standby/talk time can be achieved by turning the backlight off. The following options are available.

Short: the backlight comes on when you press a key or receive a call and switches off 10 seconds after the last key is pressed.

Long: the backlight comes on when you press a key or receive a call and switches off 20 seconds after the last key is pressed.

OFF: the backlight is not used.

Service Light

Allows you to select whether or not the service light on the top of the phone is used. The following options are available.

ON: the service light flashes when the phone is ready for use.

OFF: the service light is not used.

Auto Redial

With the Auto Redial function, the phone makes up to ten attempts to redial a phone number after an unsuccessful call.

Note: The interval between two call attempts varies.

The following options are available.

ON: the number is redialled automatically.

OFF: the number is not redialled.

Auto Answer

With the Auto Answer function, the phone automatically answers calls after 3, 5 or 10 seconds. You can also turn this feature off.

Note: This feature is only available when the phone is connected to a car kit (optional).

Caller ID

You can prevent your phone number from being displayed on the phone of the person being called.

Note: Some networks do not allow the user to change this setting.

The following options are available.

Default: the default setting provided by the network is used.

Hide Number: your number is not displayed on the other person's phone.

Send Number: your number is sent each time you make a call.

Active Folder

The voice dial and voice command mode can be activated automatically whenever the phone is opened.

The following options are available.

OFF: the voice dial mode must be activated manually via the Voice Dial menu; for further information, refer to page 67.

Voice Dial: the voice dial mode is activated when you open the phone.

Voice Command: the voice command mode is activated when you open the phone.

Note: When you use the earmicrophone and the Voice Dial or Voice Comand is set, you can use this function by pressing the button on the earmicrophone.

Reset Settings

You can easily reset your phone to its default configuration. Before proceeding, you must enter the phones 4-digit password.

Note: The password is preset to 0000. To change this password, refer to page 95.

Active Line

Some SIM cards may be used with two subscriber numbers (network service). This function is available only if your SIM card supports it.

This menu allows you to select the desired line for making calls. However, calls on both lines can be answered regardless of the selected line. When you select a line, the line number appears as an indicator after the operator/service provider's names.

When you select the **Manual** option, you can choose a line whenever you are in call barring, diverting, waiting function, and there is no indicator to show the active line.

Network Services

Menu 5-2

These menu functions are network services. Please contact your service provider to check their availability and subscribe to them, if you so wish.

Call Diverting

Note: The call divert options that are not supported by your network operator may not be shown.

This network service enables incoming calls to be rerouted to the number that you specify.
Example: You may wish to divert your business calls to a colleague while you are on holiday.

Call diverting can be set up in the following ways.

Divert Always: all calls are diverted.

Busy: calls are diverted if your phone is engaged on another call.

No Reply: calls are diverted if you do not answer the phone.

Unreachable: calls are diverted if you are not in an area covered by your service provider.

Cancel All: all call diverting options are cancelled.

Note: These options may be different depending on the SIM card.

You can specify individual diverting options for each of the following call types:

- Voice calls only
- Fax calls only ; not available when a Line 2 is in use
- Data calls only ; not available when a Line 2 is in use.

Example: You can:

- Systematically divert fax calls to your office fax machine
- Divert voice calls to your colleague if you are already using the phone

To set your call diverting options, proceed as follows.

1. Select the type of calls diverting required by pressing or until the appropriate option is highlighted, and then press the **Select** soft key.
2. Select the type of calls to be diverted by pressing or until the appropriate option is highlighted and then press the **Select** soft key.
3. Press the **Activate** soft key to confirm your settings.
4. You can enter the number of your choice.
   To enter the international code, press and hold

   until the + sign is displayed. You can also select a number in the phonebook or the voice server number, by pressing the **Options** soft key, followed by **PhoneBook** or **Voice Server Number**.

   When you are satisfied, press the **Send** or **OK** soft key; the phone sends your setting to the network and the network's acknowledgement is displayed.

To deactivate specific call diverting settings, proceed as follows.

1. Select the call diverting option to be deactivated.

2. Select the type of call to which this option applies.

3. Press the **Remove** soft key.

   The phone sends your settings to the network and the network's acknowledgement is displayed.

You can also deactivate all call diverting settings by selecting the **Cancel All** option.

Call Barring

The call barring network service allows you to restrict your calls.

Call barring can be set up in the following ways.

All outgoing: calls cannot be made.

International: international calls cannot be made.

International except to home: when abroad, calls can be made only to numbers within the current country and to your home country, that is the country where your home network provider is located.

All Incoming: calls cannot be received.

Incoming while abroad: calls cannot be received when you are using your phone outside your home service area.

Cancel All: all call barring settings are deactivated; calls can be made and received normally.

To set your call barring options, proceed as follows.

1. Select the type of calls barring required by pressing or until the appropriate option is highlighted and then press the **Select** soft key.

2. Select the type of calls to be barred by pressing or until the appropriate option is highlighted and then press the **Select** soft key.

3. Press the **Activate** soft key to confirm your settings.

4. Enter your call barring password supplied by your service provider.

   The phone sends your settings to the network and the network's acknowledgement is displayed.

To deactivate specific call barring settings, proceed as follows.

1. Select the call barring option to be deactivated.
2. Select the type of call to which this option applies.
3. Press the **Remove** soft key.
4. Enter your call barring password supplied by your service provider.

   The phone sends your settings to the network and the network's acknowledgement is displayed.

You can also deactivate all call barring settings by selecting the **Cancel All** option.

Change Barring Password: you can set and change the call barring password obtained from your service provider using this option. You must enter the current password before you can specify a new one.

Once you have entered a new password, you are asked to confirm it by entering it again.

Call Waiting

This network service enables you to be informed when someone is trying to reach you during another call.

To set your call waiting options, proceed as follows.

1. Select the type of calls to which the call waiting option is to be applied by pressing or until the appropriate option is highlighted and then press the **Select** soft key.
2. Press the **Activate** soft key to confirm your settings.

   The phone sends your settings to the network and the network's acknowledgement is displayed.

To deactivate specific call waiting settings, proceed as follows.

1. Select the type of call to which the option applies.
2. Press the **Deactivate** soft key.

   The phone sends your settings to the network and the network's acknowledgement is displayed.

You can also deactivate all call waiting settings by selecting the **Cancel All** option.

Network Selection

The Network Selection feature enables you to:

- Indicate whether the network used when roaming (outside your home area) is selected automatically or manually

Note: You can select a network other than your home network only if it has a valid roaming agreement with your home network.

To indicate whether the network is to be selected automatically or manually when roaming, proceed as follows.

1. When **Network Select** is displayed, press the **Select** soft key.
2. Press or until the appropriate option is highlighted and press the **OK** soft key.

   If you select **Automatic**, you are connected to the first available network when roaming.

   If you select **Manual**, the phone scans for the available networks. Go to Step 3.
3. Press or until the preferred network is highlighted and press the **OK** soft key.

   You are connected to that network when roaming.

Line Identification

This menu option lets you view the following line identification settings.

CLIP (Calling Line Identification Presentation) / **COLP** (Connected Line Identification Presentation)
If these network functions are active, the caller's number is displayed during a call. If the phone number matches one stored in the phonebook, the caller's name is also displayed.

CLIR (Calling Line Identification Restriction) / **COLR** (Connected Line Identification Restriction)
If these network functions are active, your phone number is not displayed on the called person's phone.

Closed User Group (CUG)

This network service allows incoming and outgoing calls to be restricted to a selected user group. You may be a member of up to 10 user groups.
For details on how to create, activate and use a closed user group, contact your service provider.

Example: A company lends SIM cards to its employees and wants to restrict outgoing calls to members of the same team.

Activating a Closed User Group

If you select the **Closed User Group** menu, you are asked if you want to activate the CUG function. Press the **Yes** soft key. You can now access the following options.

Deactivate: deactivates the CUG function.

Index List: lets you list, add or delete CUG index numbers. The list of current CUG indexes appears. Add a new CUG index (as advised by your service provider) or delete a selected group.

To...	Then press the...
Scroll through the existing CUG indexes	or key.
Add a new CUG index	**Options** soft key, select **Add** and enter the index.
Delete a CUG index	or key to select the index you want to delete, press the **Options** soft key and select **Delete**.

Outside Access: enables you to allow or prohibit calls to numbers other than those nominated for the Closed User Group. This feature depends on the nature of your CUG subscription. Please check with your service provider.

Default Group: you may communicate a default CUG to your service provider. If you have done so, you can enable the **Default Group** option on your phone. When making a call, you will be given the option of using your default CUG, instead of selecting one from the list.

Security Settings

Menu 5-3

The Security feature enables you to restrict the use of your phone to:

- The people of your choice
- The types of calls of your choice

Various codes and passwords are used to protect the features of your phone. They are described in the following sections (also see page 125).

PIN Check

When the PIN Check feature is enabled, you must enter your PIN each time you switch the phone on. Any person who does not have your PIN cannot, therefore, use your phone without your approval.

Note: Before disabling the PIN Check feature, you must enter your PIN.

To change your PIN, refer to menu option **5-3-2** opposite.

The following options are available.

Enable: you must enter the PIN each time the phone is switched on.

Disable: the phone connects directly to the network when you switch it on.

Change PIN

This feature allows you to change your current PIN to a new one, provided that the PIN Check feature is enabled. You must enter the current PIN before you can specify a new one.

Once you have entered a new PIN, you are asked to confirm it by entering it again.

Phone Lock

When the Phone Lock feature is enabled, the phone is locked and you must enter the 4-digit phone password each time the phone is switched on.

The password is factory set to 0000. To change the phone password, refer to menu option **5-3-4**. Once the correct password has been entered, you can use the phone until you switch it off.

The following options are available.

Enable: you are required to enter the phone password when you switch the phone on.

Disable: you are not asked to enter the phone password when you switch the phone on.

Change Password

The Change Password feature allows you to change your current phone password to a new one. You must enter the current password before you can specify a new one.

The password is factory set to 0000. Once you have entered a new password, you are asked to confirm it by entering it again.

SIM Lock

When the SIM Lock feature is enabled, your phone only works with the current SIM. You must enter the SIM lock code.

Once you have entered the lock code, you are asked to confirm it by entering it again.

To unlock the SIM, you must enter the SIM lock code.

FDN Mode

The FDN(Fixed Dial Number) mode, if supported by your SIM card, allows you to restrict your outgoing calls to a limited set of phone numbers.

The following options are available.

Enable: you can only call phone numbers stored in the phonebook. You must enter your PIN2.

Disable: you can phone any number.

Note: Not all SIM cards have a PIN2. If your SIM card does not, this menu option is not displayed.

To change your PIN2, refer to menu option **5-3-7** below.

Change PIN2

The Change PIN2 feature allows you to change your current PIN2 to a new one. You must enter the current PIN2 before you can specify a new one.

Once you have entered a new PIN2, you are asked to confirm it by entering it again.

Note: Not all SIM cards have a PIN2. If your SIM card does not, this menu option is not displayed.

LCD / LED Settings

Menu 5-4

Select Image

This option allows you to select the image to be displayed.

Image 1~5: shows you the predefined image.

Calendar: shows you the calendar. When you see the Calendar in idle mode you can scroll monthly by pressing or key.

User Image: shows the downloaded image from the CD in this package. You can set the text colour, background colour, text position and display time with the sub options.

To preview each image by pressing the **Preview** soft key and return the image list by pressing .

Note: The name of the downloaded image is not displayed in the phone, but shown in the PC link.

LCD Contrast

This option allows you to adjust the contrast of the LCD screen. Press to increase or to decrease the contrast.

Menu Colour

This option allows you to select the pattern of the menu. You can choose one of three patterns.

Service Colour

There are six colours available for the service light: green, orange, red, violet, blue and sky blue.
You can scroll through these colours, by pressing or key. Press the **Select** soft key to select the required colour.

Browser Settings

Menu 5-5

Note: This menu may not be shown depending on your network service provider.

You can setup several proxies using the **Proxy Settings** menu (**5-5-1**), and you can choose one of those for a current proxy using the **Current Proxy** menu (**5-5-2**). Each proxy has following information. These may vary depending on your service provider. Contact the service provider for further details.

Proxy Name: To view or edit the name of proxy.

WDP Address: To view or edit the WDP address.

Port Number: To view or edit the number of the port used for connecting to the gateway.

Home URL: To view or edit your home URL address.

Access Point : To view or edit the following settings.

NAS Phone Number: You can set the number of the PPPserver.

Login Name: You can set the login name of the PPP server. You can ignore it, if it's not necessary.

Password: You can set the password of the PPP server. You can ignore it, if it's not necessary.

Network Type: You can select one of network types among V.32 Transparent, V.32 Non-Transparent, V.110 Transparent and V.110 Non-Transparent.

Organizer

The Organizer feature enables you to:

- Write your schedule or to do list
- Use a calculator
- Check the calendar
- Set the current date and time
- Set the alarm so that the phone rings at a specific time (to remind you of an appointment for example)
- Find out what time it is in various cities around the world

Scheduler

Menu 6-1

The Scheduler helps you to keep track of reminders, calls that you need to make, meetings, and birthdays. The phone sounds an alarm tone when the set date for a birthday, reminder or call is reached.

Note: Your phone must be switched on to use this function.

When you access the **Scheduler** menu, the following options are available:

Go to date: allows you to enter a particular date and to make a schedule on that date.

View All: shows the schedules you have made.

Delete All: deletes all the schedules you have made.

To create a new schedule, proceed as follows.

1. When a calendar screen appears, select the month by using the volume key on the left side of the phone, select the week by using or , and select the day by using and . You can also use the **Go to date** menu option to specify the date.

Note: If you want to cancel your selection in the Calendar screen, press C The phone goes back to the previous menu level.

2. When you press the **OK** soft key, you can select a schedule type. Four types are available:
   - **Reminder:** requires contents and the time.
   - **Call:** requires a phone number and the time.
   - **Meeting:** requires contents and the time.
   - **Birthday:** requires a name and the time.

3. Enter the appropriate information, referring to page 42 for further details on how to enter text if necessary.

4. If you want to set an alarm on the scheduled date and time, select **Yes** when the phone asks you to set alarm and specify the alarm time.

   If you select **No**, the phone just saves the schedule and returns to idle mode.

A date that has a schedule associated is displayed with an underline. If you select a date where a schedule has already been created, its contents will be displayed.

Note: If you have created more than two schedules for a day, you can scroll to the desired schedule by pressing or .

The following options are available:

Add: allows you to add new contents. For details on entering text, see page 42.
Delete: deletes the schedule.
Move: moves the schedule to a new date of your choice.
Copy: copies the schedule to a new date of your choice.
Delete Day: deletes schedules on the date.

Alarm *Menu 6-2*

This option allows you to set the alarm to ring at a specific time. You can set one or more alarms.

The following alarms are available.

Daily Alarm: the alarm rings everyday at the same time.

Once Alarm: the alarm rings only once and is then deactivated.

Weekly Alarm: the alarm rings every week on the same day and at the same time.

Alarm Tone: allows you to select a specific tone for the alarm ringer.

To set the alarm, proceed as follows.

1. Select an alarm type by pressing the **Select** soft key.

2. **Set Alarm** option allows you to set the alarm time or days of the week.

   If you choose **Weekly Alarm**, select the required day of the week and press . The * symbol appears to indicate that the day is selected. Repeat as necessary.
   To remove it, press .
   You can set more than one day.

3. Press the **OK** soft key.

4. Enter the required time, then press the **OK** soft key.

   Alarm Activated is displayed.

Once an alarm has been set, you can see the alarm icon ( ) in the top line of the display. To stop the alarm when it rings, open the phone and press any key.

To deactivate the alarm, select **Remove Alarm**.

Note: When your phone is switched off, the alarm doesn't work.

Calculator

Menu 6-3

You can use the phone as a 9-digit calculator. The calculator performs basic arithmetic functions; addition, subtraction, multiplication, division. Percentage operation is also available.

To use the calculator, proceed as follows.

1. Enter the first figure using the number keys.

2. Press the **Operator** soft key until you find the desired arithmetic symbol; **+** (add), **-** (subtract), **x** (multiply), **/** (divide).

3. Enter the second figure.

4. Repeat Steps 2 and 3 if necessary.

5. To get the result, press the **Equal** soft key or .

To erase any mistakes or clear the display, use .

To enter a decimal point, press . It calculates to two decimal places.

Examples:

Expression	Key operation	Result
12*3+5=	12x3+5 (or)	41
34+57=	34+57 (or)	91
45+57=	45 (or)	102
48-23=	48-23 (or)	25
14-23=	14 (or)	-9
68*25=	68x25 (or)	1700
68*40=	40 (or)	2720
35/14=	35/14 (or)	2.5
98/14=	98 (or)	7
10% of 200	200x10	20
10=? % of 100	10/100	10
10% premium of 200	200+10	220
10% discount of 200	200-10	180
square of 4	4x (or)	16
reciprocal of 8	8/ (or)	0.12

Note: When you have finished with the calculator, press to exit the calculator and return to the previous menu level.

To Do List

Menu 6-4

This menu allows you to write a job list with priorities and deadlines and also sort the jobs according to their priority type or their status. If you don't have any items in the list, proceed as follows to make your to do list.

1. press the **New** soft key to input a new item.

2. Input your details.
   For information on how to enter characters, see page 42.

3. Press the **OK** soft key.

4. Select the priority type using the **Select** soft key. (1 or 2)

5. Input deadline.

6. Press the **Yes** soft key.

If you have any other items in the list, you can see the list in the display with a mark box, priority level and job details.

To see the detailed contents of an item, press the **View** soft key. In this view, if you press , a mark box, date and time created will be displayed.

To mark your item, press . The key toggles between marking and unmarking the viewed job.

You can choose the following options, by pressing the **Options** soft key.

New : allows you to write new item.

Mark : allows you to mark an item or job.

Edit : allows you to edit your item's details.

Sort : allows you to sort according to priority 1, priority 2, or marking status.

Copy : copies one item to another.

Delete : deletes the item.

Delete All : deletes all items.

Calendar

Menu 6-5

You can view calendars of 1900 through to 2099.
You can also view the lunar date of the selected date.

- Use or to moves to the next day or back to a previous day.
- Use or to moves to the next week or back to a previous week.
- Use the volume key on the left side of the phone to move to the next or previous month.

Note: You can also use or to select the day and 8 or 0 + to select the week.

You can see another date by selecting the **Goto** soft key.

World Time

Menu 6-6

You can use your phone to check the current time in 21 major cities around the world. Scroll through the cities using .
The screen shows the:

- City name
- Current date and time
- Time difference between the selected city and your city if you have set the local time (see below for further details) or GMT (by default)

To select the time zone in which you are located, proceed as follows.

1. Select the city corresponding to your time zone by pressing one or more times.

   The local date and time are displayed.

2. Press the **Set** soft key.

3.

To...	**Then press the...**
Update the current date/time with this new setting	**Set Local** soft key.
Indicate that the time zone is currently using the daylight saving time	**Set DST** soft key. A check mark is shown next to the time difference.
Indicate that the time zone is no longer using the daylight saving time	**Remove DST** soft key (only available when the check mark is shown next to the time difference).

Clock

Menu 6-7

Set Time

Allows you to change the time displayed, using the 24-hour system.

Note: Before setting the time, you must specify your time zone, via the **World Time** menu option (**6-6**).

Set Date

Allows you to change the date displayed. Enter the day, month and year.

Format

Allows you to select the format of date between DD/MM/YYYY and MM/DD/YYYY.

Games

Using this menu you can also enjoy games on the phone.

Scroll to the desired game and press the **Select** soft key.

The following options are available.

New Game: allows you to start a new game.

High Score: shows you the highest scores table. Not all games have a high score table.

Key Info.: shows you what keys do what within the game.

Continue: allows you continue a previously saved game. The menu is only available when a game has already been saved.

While you are playing a game,

To...	Then press the...
adjust the game volume	volume keys
pause the game	
pause and exit the game	

If your finishing score is ranked fifth or higher, you are allowed to enter your name using up to 10 characters.

Here are the list of available characters or function.

1: . @ - _ / : ~ 1
2: A B C 2
3: D E F 3
4: G H I 4
5: J K L 5
6: M N O 6
7: P Q R S 7
8: T U V 8
9: W X Y Z 9
0: 0

: to clear a previous character
left/right soft key: to move the cursor left or right
: to move the cursor to the next position

AirShooting

Menu 7-1

Object

The goal of the game is to drive a fighter plane to its destination. There are 3 stages, each stage is harder than the previous and the weapons get more powerful with each stage.

When you start a new game, press any key to select a player. Press **1** or **7** to scroll up or down, and press **9** to start a game.

Key Commands

1: move up
4: move left
5: move right
7: move down
6: launch a missile
9: drop a bomb

Space War

Menu 7-2

Object

It is an arcade board game. It requires patience and discretion. The aim is to remove about 80% of the black background while avoiding the mushroom bombs in order to progress to the next stage.

When you start a new game, press to start.

Key Commands

2: move up
4: move left
6: move right
8: move down
5: stop

MyPet

Menu 7-3

Object

To care for a virtual pet cat. Choose a cat from a choice of three colours. You will need to care for the cat, feed it at least 3 times a day, bath it, read to or play with it and give it medical attention if sick. This is all done by selecting the appropriate symbol at the bottom or the display. Your pet will be judged at a pet contest once a month and then placed as 1st, 2nd, or 3rd. The game ends when your pet either runs away or you abandon it by not feeding it for more than 5 days.

When you start a new game, pressing the left or right soft key scrolls through the available pets and then press to select the pet and start the game. The game starts by showing the house were the pet lives. A sun or moon at the window shows whether it is day or night. Selecting the ? option at the bottom of the display will show you the status of your pet.

WWW Services

You can use your phone as a Web Browser.
You can obtain up-to-date news, weather, sport, and other information as well as use e-mail and other Internet services.

Please contact your service provider to open your Internet account. To use the Web Browser, you must indicate your phone number via the **Own Number** menu option (**5-1-2**).

Home

Menu 8-1

To launch the browser from the idle mode, press the key in the centre of the scroll button.

Once connected, the homepage is displayed. The content depends on the service provider.

To exit the browser at any time, press the key. The idle screen is displayed.

Bookmark

Menu 8-2

You can store the addresses of up to five Internet sites for easy access using the Bookmark feature.

Three options are available.

Edit: allows you to create or edit a local bookmark.

1. Enter the required title (up to 14 characters).
2. Press the **OK** soft key.
3. Enter the URL address (up to 128 characters).
4. Press the **OK** soft key.

Go: allows you to open the selected page.

Delete: allows you to delete the selected bookmark.

Goto

Menu 8-3

You can open any WWW page by entering its URL address.

Enter the URL address and press the **Go** soft key.

Navigating with the WAP Browser

You can surf the Internet using either the phone keys or the WAP Browser menu.

Using the Phone Keys

When surfing the Internet, the phone keys function differently from the phone mode.

To...	Then press the...
Scroll each line of the content area	or key.
Return to the previous page	key (except on the homepage).
Return to the startup homepage	key and hold it down anywhere.

Using the WAP Browser Menu

There are various menu options available when surfing the Wireless Web.

To access the WAP Browser menu, proceed as follows.

1. Press .
   A list of menu options appears.
2. Highlight the required option using the or key.
3. Press the **OK** soft key to select the option.
4. If necessary, select the secondary option by pressing the or key, followed by **OK**.

Note: The WAP Browser menus may vary, depending on your version of the browser.

The following options are available.

Reload: reloads the current page.

Home: takes you back at any time to the homepage of the Wireless Web service provider.

Bookmarks: allows you to load a bookmarked Web page directly.

Mark Site: adds the current page to your bookmark list.

About Phone.com: shows the version of the WAP Browser.

Advanced...: gives you access to the following advanced features. Some features may not be supported by your network operator

Show URL: shows the URL of the current page.

HomePage: moves to the homepage.

Offline Services: allows you to copy and save Web pages so that you can view them, even if the network is down.

Outbox: stores outgoing requests from the browser so that they can be processed at a later date.

Restart Up.Browser: clears the cache memory and displays the homepage.

Encryption: allows you to check and generate the security key required to contact a server.

Entering Text, Numbers, or Symbols

When you are prompted to enter text, the current text entry mode appears above the right soft key: abc/Abc/ABC, NUM or SYM 1 ~ 4. To change modes, press the right soft key until the required mode is displayed.

abc/Abc/ABC: allows you to enter lower-case and upper-case letters. You can switch between lower-and upper-case letters by pressing the key.

SYM1 ~ 4: allows you to enter various symbols and punctuation marks. To view more symbols, press the **More** soft key.

NUM: allows you to enter numbers.

If you wish to edit text, move the cursor to the required position, using , and clear the wrong letter by pressing the key. Then enter the correct letter.

Network Connection Information

To check the network connection time, press and hold down the key. You can see the connection time on the last line of the content area. The linger time is one or more minutes (depending on your service provider). Consequently, if you do not use the browser for one or more minutes, the network is disconnected automatically. In this case, you can see that the connection time is stopped at that point.
The connection time is reset whenever you exit the browser.

ALS(Alternate Line Service)

Note: Please contact your service provider to check the availability of this feature and how to subscribe to ALS.

The ALS feature enables two lines to be associated with one SIM card. Consequently, you can make and receive calls on either line as required. If you subscribe to this network service, a few additional menu options enable you to set up this feature.

1. Selecting a Line

You can set a line for use, or manually for each call with the **Active Line** Menu (**5-1-12**).
For further details, refer to page 83.

2. Editing the Line Name

You can edit the name of each line with the **Own Number** Menu (**5-1-2**).

When you edit the name of a line, you can see the name in every menu string which are shown as “Line 1” or “Line 2”. For further details, refer to page 79.

3. Setting the Ring Type

To distinguish between incoming calls on the two lines, you can select a different ring tone for each line with the **Ring Tone** Menu (**4-1**).
See page 72 for further details.

4. Setting Call Diverting Options

You can set up call diverting with **Call Diverting** Menu (**5-2-1**). This service enables incoming calls of the line which you want to be reroute to the number that you specify. Please see page 84 for further details.

Solving Problems

Before contacting after-sales service, perform the following simple checks. They may save you the time and expense of an unnecessary service call.

When you switch your phone on, the following messages appear

Insert SIM Card
- Check that the SIM card is correctly installed.

Phone Locked
- The automatic locking function has been enabled. You must enter the phone's password before you can use the phone.

Enter PIN
- You are using your phone for the first time. You must enter the Personal Identification Number supplied with the SIM card.
- The option requiring that the PIN be entered each time the phone is switched on has been enabled. You must enter your PIN and then disable this option if so required.

Enter PUK
- The PIN code was entered wrongly three times in succession and the phone is now blocked. Enter the PUK supplied by your network operator.

"No service" is displayed

- The network connection was lost. You may be in a weak reception area (in a tunnel or surrounded by buildings). Move and try again.
- You are trying to access an option for which you have not taken out a subscription with your service provider. Contact the service provider for further details.

You have entered a number but it was not dialled

- Have you pressed ?
- Are you accessing the right cellular network?
- You may have set an outgoing call barring option.

Your correspondent cannot reach you

- Is your phone switched on (pressed for more than one second)?
- Are you accessing the right cellular network?
- You may have set an incoming call barring option.

Your correspondent cannot hear you speaking

- Have you switched off the microphone (**Mute** appears)?
- Are you holding the phone close enough to your mouth? The microphone is located in the bottom right side of the phone.

The phone starts beeping and "**Warning** Battery Low" flashes in the display

- The battery is insufficiently charged. Replace the battery and recharge it or connect the battery charger.

The audio quality of the call is poor

- Check the signal strength indicator in the display (); the number of bars after it indicates the signal strength from strong ( ) to weak ( ).
- Try moving the phone slightly or moving closer to a window if you are in a building.

No number is dialled when you recall a phonebook entry

- Check that the numbers have been stored correctly, by using the Phonebook Search feature.
- Re-store them, if necessary.

If the above guidelines do not enable you to solve the problem, take a note of:

- The model and serial numbers of your phone
- Your warranty details
- A clear description of the problem

Then contact your local dealer or SAMSUNG after-sales service.

Reference Information

Access Codes

There are several access codes that are used by your phone and its SIM card. These codes help you protect the phone against unauthorised use.

The access codes (except for the PUK and PUK2 codes) can be changed using the **Security Settings** menu (**5-3**) options. See page 94 for further details.

Phone Password

This security code can be used to avoid unauthorised use of the phone. The security code 0000 is the factory default setting but you are advised to change the security code before you start using your phone. Keep the new code secret and in a safe place, which is separate from the phone.

If you key in an incorrect security code five times in succession, the phone will not accept the correct code for the next five minutes.

PIN code

The PIN (Personal Identification Number) code protects your SIM card against unauthorised use. The PIN code is usually supplied with the SIMcard. When the PIN code request is enabled (**Menu 5-3-1**), the code is asked each time the phone is switched on.

If you key in an incorrect PIN code three times in succession, key in the PUK code and press the **OK** soft key. Key in a new PIN code and press the **OK** soft key. Key in the new PIN code again and press the **OK** soft key.

PIN2 code

The PIN2 code, supplied with some SIM cards, is required to access some functions, such as charging unit counters. These functions are only available if supported by your SIM card.

If you key in an incorrect PIN2 code three times in succession, key in the PUK2 code and press the **OK** soft key. Key in a new PIN2 code and press the **OK** soft key. Key in the new PIN2 code again and press the **OK** soft key.

PUK code

The PUK (Personal Unblocking Key) code is required to change a blocked PIN code. The PUK code may be supplied with the SIM card. If not, contact your local service provider.

If you key in an incorrect PUK code ten times in succession, the SIM card cannot be used anymore. Contact your service provider for a new card.

You cannot change the PUK code. If you lose the code, contact your service provider.

PUK2 code

The PUK2 code, supplied with some SIM cards, is required to change a blocked PIN2 code.

If you key in an incorrect PUK2 code ten times in succession, you cannot use the functions requiring the PIN2 code. Contact your service provider for a new card.

You cannot change the PUK2 code. If you lose the code, contact your service provider.

Barring Password

The 4-digit barring password is required when you use the Call Barring function. You obtain the password from your service provider when you subscribe to this function.

Using the Batteries

Your phone is powered by a rechargeable Li-ion standard battery.
The following batteries are also available (ask your SAMSUNG dealer for further details):

- Slim battery
- Standard battery

Precautions When Using Batteries

- Never use any charger or battery that is damaged in any way.
- Use the battery only for its intended purpose.
- If you use the phone near the network's base station, it uses less power; talk and standby times are greatly affected by the signal strength on the cellular network and the parameters set by the network operator.
- Battery charging times depend on the remaining battery charge and the type of battery and charger used. The battery can be charged and discharged hundreds of times, but it will gradually wear out. When the operation time (talk time and standby time) is noticeably shorter than normal, it is time to buy a new battery.
- If left unused, a fully charged battery will discharge itself over time.

- Use only Samsung-approved batteries and recharge your battery only with Samsung-approved chargers. When a charger is not in use, disconnect it from the power source. Do not leave the battery connected to a charger for more than a week, since overcharging may shorten its life.
- Extreme temperatures will affect the charging capacity of your battery: it may require cooling or warming first.
- Do not leave the battery in hot or cold places, such as in a car in summer or winter conditions, as you will reduce the capacity and life-time of the battery. Always try to keep the battery at room temperature. A phone with a hot or cold battery may temporarily not work, even when the battery is fully charged. Li-ion batteries are particularly affected by temperatures below 0 °C (32 °F).
- Do not short-circuit the battery. Accidental short circuiting can occur when a metallic object (coin, clip or pen) causes a direct connection between the + and - terminals of the battery (metal strips on the back of the battery), for example when youcarry a spare battery in a pocket or bag. Short-circuiting the terminals may damage the battery or the object causing the short-circuit.
- Dispose of used batteries in accordance with local regulations. Always recycle. Do not dispose of batteries in a fire.

Safety Information

Road Safety

- Remember, road safety always comes first!
- Do not use a hand-held phone while driving a vehicle. Always park the vehicle before having a conversation.
- Make sure that the phone is stored safely and will not fall or be broken in the event of a collision or emergency stop.
- The use of an alert device to operate a vehicle's lights or horn on public roads is not permitted.
- Only qualified personnel should install or service the phone in a vehicle. Faulty installation or service may be dangerous and may invalidate any warranty applicable to the unit.
- Electronic fuel injection, anti-skid braking, electronic cruise control or any other electronic systems may malfunction due to the lack of protection from radio signals. Check regularly that all cellular phone equipment in your vehicle is mounted and operating correctly.

Operating Environment

- Remember to follow any special regulations in force in any area and always switch off your phone whenever it is forbidden to use it, or when it may cause interference or danger (in a hospital for example).
- Operation of any radio transmitting equipment, including cellular phones, may interfere with inadequately protected medical devices. Consult a physician or the manufacturer of the medical device if you have any questions. Other electronic equipment may also be subject to interference.
- As with other mobile radio transmitting equipment, you are advised that for satisfactory operations and personal safety, the equipment should only be used in the normal operating position.
- The effect of the GSM transmit/duty cycle on hearing aids and pacemakers is being investigated, and there is potential hazards associated with use close to such personal medical electronic devices.
- Always switch off the phone when at a refuelling point (service station). You are reminded of the need to observe restrictions on the use of radio equipment in fuel depots (fuel storage and distribution areas), chemical plants or where blasting operations are in progress.
- Do not store or carry flammable liquids, gases or explosive materials in the same compartment as the phone, its parts or accessories.

- Switch off your cellular phone when in an aircraft. The use of cellular phones in an aircraft is illegal and may be dangerous to the operation of the aircraft or disrupt the cellular network. Failure to observe these instructions may lead to the suspension or denial of cellular telephone services to the offender, legal action or both.

Care and Maintenance

Your phone is a product of superior design and craftsmanship and should be treated with care. The suggestions below will help you fulfill the warranty obligations and enjoy this product for many years.

- Keep the phone and all its parts and accessories out of the reach of small children.
- Keep the phone dry. Precipitation, humidity and liquids containing minerals will corrode the electronic circuits.
- Do not use or store the phone in dusty, dirty areas as its components may be damaged.
- Do not store the phone in hot areas. High temperatures can shorten the life of electronic devices, damage batteries and warp or melt certain plastics.
- Do not store the phone in cold areas. When the phone warms up (to its normal temperature), moisture can form inside the phone, which may damage the electronic circuits.

- Do not attempt to open the phone. Non-expert handling of the phone may damage it.
- Do not drop or knock the phone. Rough handling may damage the internal circuits.
- Do not use harsh chemicals, cleaning solvents or strong detergents to clean the phone. Wipe it with a soft cloth slightly dampened in mild, soapy water.
- If the phone or any of its accessories are not working properly, take them to your nearest qualified service centre. The personnel there will assist you, and if necessary, arrange for the phone to be repaired.

Emergency Calls

Important! This phone, like any cellular phone, uses radio signals, cellular and landline networks, as well as user-programmed functions that cannot guarantee connection in all conditions. Therefore, you should never rely solely on any cellular phone for essential communications (medical emergencies for example).

Remember, to make or receive any calls, the phone must be switched on and in a service area with adequate cellular signal strength.

Emergency calls may not be possible on all cellular phone networks or when certain network services and/or phone features are in use. Check with local cellular service providers.

Glossary

To help you understand the main technical terms and abbreviations used in this booklet and take full advantage of the features on your mobile phone, here are a few definitions.

Active Folder

Ability to voice dial or voice command immediately on opening the phone.

ALS(Alternate Line Service)

ALS provides the capability of associating two alternate lines with one SIM card. You can make and receive calls on either line as desired with this service.

Call Barring

Ability to restrict outgoing and incoming calls.

Call Diverting

Ability to reroute calls to another mobile or fixed line.

Call Holding

Ability to put one call on standby while answering or making another call; you can then switch between the two calls, as required.

Call Waiting

Ability to inform users that they have an incoming call when engaged on another call.

GSM (Global System for Mobile Communication)

International standard for cellular communication, guaranteeing compatibility between the various network operators. GSM covers most European countries and many other parts of the world.

Line Identification Services

Service allowing subscribers to view or block the telephone numbers of callers.

Multi-party Calling

Ability to establish a conference call involving up to five additional parties.

Phone's Password

Security code used to unlock the phone when you have selected the option to lock it automatically each time it switches on.

PIN (Personal Identification Number)

Security code that protects the phone/SIM against unauthorised use. The PIN is supplied by the service provider with the SIM card. It may be a four to eight-digit number and can be changed, as required.

PUK (PIN Unblocking Key)

Security code used to unlock the phone when an incorrect PIN has been entered three times in succession. The eight-digit number is supplied by the service provider with the SIM card.

Roaming

Use of your phone when you are outside your home area (when travelling for example).

SIM (Subscriber Identification Module)

Card containing a chip with all the information required to operate the phone (network and memory information, as well as the subscriber's personal data). The SIM card fits into a small slot on the back of the phone and is protected by the battery.

SMS (Short Message Service)

Network service sending and receiving messages to and from another subscriber without having to speak to the correspondent. The message created or received (up to 160 characters long) can be displayed, received, edited or sent.

Soft Keys

and on the phone, the purpose of which:

- Varies according to the function that you are currently using
- Is indicated on the bottom line of the display just above the corresponding key

Voice Mail

Computerised answering service that automatically answers your calls when you are not available, plays a greeting (optionally in your own voice) and records a message.

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SGH-T100 GSM Telephone

Quick Reference Card

Switch On/Off

Press and hold down

Make a Call

(Direct Call)

① Key in the number.

② Press

(Voice Dial)

Provided that the name is recorded and the **Active Folder** menu option (**5-1-10**) is set to **Voice Dial**:

① Open the phone.

② Say the name.

End a Call

Briefly press

How to Access the Menu Function

① Press the **Menu** soft key.

② Scroll with or through the list of menus until you reach the required menu.

③ Press the **Select** soft key.

④ Scroll with or through the list of setting options until the required option is selected.

⑤ Press the **OK** soft key to confirm.

- *Each of the two soft keys (and) performs the function indicated by the text above it (bottom line in the display).*

Answer a Call	Open the phone *or* Press .
Adjust the Volume	Press the volume key on the left side of the phone.
Store Numbers in the PhoneBook	① Type in the number. ② Press the **Save** soft key. ③ Enter the name. ④ Press the **Save** soft key. ⑤ If necessary, change the location. ⑥ Press the **OK** soft key.

Search for a Number in the PhoneBook	① Press the **PhoneBook** soft key. ② Enter the start of the name. ③ Press the **Find** soft key. ④ To scroll through the names, press or . ⑤ To make a call, press .
Record a Name for Voice Dialling	① Press the **PhoneBook** soft key. ② Press the **Options** soft key. ③ Select the **Voice Record** option. ④ Record the name and follow the instructions.